

Abstract of the Disclosure

According to the principles of the invention, there is provided a system, apparatus, and method for detecting spurious network traffic. In a system according to the principles of the invention, a switch such as a router constructs a routing tree for each other switch connected thereto. When a network packet is received, the switch inspects the source address of the packet, and determines whether the forwarding switch or network interface could be expected to deliver a network packet from the indicated address. If it appears from this analysis that the network packet should not have come from the forwarding switch, then certain measures may be taken to address the situation. For example, the network packet may be dropped, an alarm may be generated to the forwarding switch, or an alarm may be generated to an automated or human network supervisor.